

with a driven amount of the projection optical system by said imagery characteristic correction mechanism; and

a correction mechanism connected to the error detector to correct the projection error.

37. (New) The projection exposure apparatus of claim 36, wherein the detector comprises a memory to store a relation between the driven amount the projection optical system and the projection error of the pattern.

62 38. (New) The projection exposure apparatus of claim 36, wherein the imagery characteristic correction mechanism comprises a plurality of actuators to drive at least part of the projection optical system.

39. (New) The projection exposure apparatus of claim 36, wherein the projection optical system comprises a first lens element and a second lens element, the imagery characteristic correction mechanism having a first drive to drive the first lens element and a second drive to drive the second lens element.

40. (New) The projection exposure apparatus of claim 36, wherein the projection exposure apparatus is a scanning type projection exposure apparatus.

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**REMARKS**

Claims 1-12 and 32-40 are present in this application. By this Amendment, claims 13-31 have been canceled, and claims 32-40 have been added.

A prompt and favorable examination is requested.

TANIGUCHI  
Serial No. To Be Assigned

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: Alan M. Kagen

Alan M. Kagen  
Reg. No. 36,178

AMK:jl  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

09941668-083001